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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,411	03/26/2004	Hiroshi Morisaki	119283	6808

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EXAMINER

LEE, JUSTIN YE

ART UNIT	PAPER NUMBER
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2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/809,411	Applicant(s) MORISAKI ET AL.	
	Examiner Justin Y. Lee	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 December 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This Office Action is in response to the amendment filed on 12/06/06.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 and 11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1).

Consider claim 1. Maniwa disclose a data processing system (a network scanner system 1) comprising a main terminal device (copier unit 11) having one or more functions, and a sub terminal device (workstations 3) connected to the main terminal device and performs data communications therewith, wherein the main terminal device comprises (Fig. 1):

a data storing unit that stores various types of data, and enables the sub terminal device to recognize the data storing unit as an external storage device so as to enable the sub terminal device to be accessible to the data storing unit (col. 5, lines 50-56 and col. 2, lines 50-57);

a request storage commanding unit that receives commands from an external source (col. 2, lines 52-53, user is the external source and selects an operation on the operations panel); and

a function implementing unit that executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage commanding unit (col. 6, lines 14-21).

Maniwa do not disclose stores request data and original data in associated with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions from the original data; wherein the sub terminal device comprises: a data reading unit that reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data storing unit; a data generating unit that generates the implementation data based on the request data read by the reading unit; and an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device.

Shimada further disclose stores request data and original data in associated with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions from the original data (paragraph 30-38, color information file and image data are stored and then transmitted to PC 200.

The color information file instructs the PC 200 to convert the image data); wherein the sub terminal device comprises:

a data reading unit that reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data storing unit (paragraph 32 and 38, PC 200 receives the color information file and image data);

a data generating unit that generates the implementation data based on the request data read by the reading unit (paragraph 38 and 39, PC 200 generates CMYK data from the image data based on the color information file. The image data is first converted to intermediate data then to CMYK data); and

an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device (Fig. 1 and 4 and paragraph 25, the CMYK data is then transmitted to a printer for printing).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the teachings of Shimada into the teachings of Maniwa for the purposes of high-precision color conversion (paragraph 11).

Consider claims 11-14. Claims 11-14 do not substantially differ from claim 1. Thus, see claim 1 rejection for details.

4. Claims 2-7 and 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1) as applied to claim 1 and further in view of Fukunaga et al. (US 2004/0174561 A1).

Consider claim 2. Maniwa and Shimada do not disclose wherein the implementation data transmitting unit transmits the implementation data generated-by the data generating unit to the main terminal device and directs the implementation data to be stored in the data storing unit, and the function implementing unit executes a process to implement the function based on the implementation data when the implementation data transmitted from the sub terminal device is stored in the data storing unit.

Fukunaga further teaches the data processing system according to claim 1 , wherein the implementation data transmitting unit transmits the implementation data generated-by the data generating unit to the main terminal device (paragraph 86) and directs the implementation data to be stored in the data storing unit (paragraph 84), and the function implementing unit executes a process to implement the function based on the implementation data when the implementation data transmitted from the sub terminal device is stored in the data storing unit (paragraph 84,86).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the teachings of Fukunaga et al. into the teachings of Maniwa and Shimada for the purposes of having a low transfer cost (paragraph 18).

With respect to claim 3, Fukunaga further teaches the data processing system according to claim 1, wherein the sub terminal device further comprises a request

deleting unit that deletes the request data stored in the data storing unit after the data generating unit generates the implementation data (paragraph 152).

With respect to claim 4, Fukunaga further teaches the data processing system according to claim 2, wherein the main terminal device further comprises an implementation data deleting unit that deletes the implementation data stored in the data storing unit after the function implementing unit executes the process to implement the function (paragraph 555).

With respect to claim 5, Fukunaga further teaches the data processing system according to claim 1, wherein the main terminal device further comprises; an image communicating unit that transmits and receives image data via a network (paragraphs 83,84); and a printing unit that prints various images on a recording medium (paragraphs 81,84,87), wherein the request storage commanding unit stores the request data with the image data attached to the request data in the data storing unit when the image data is received by the image communicating unit, the implementation data being print data converted from the image data and having a data format that is printable V the printing unit, the request data being data for requesting generation of the implementation data (paragraphs 84,127); and the function implementing unit executes a printing process for images indicated by the print data by controlling the printing unit to print the images based on the implementation data when the implementation data is received from the sub terminal device after the command by the request recording command unit (paragraph 84); and wherein the data generating unit generates converted image data by converting the image data attached to the request data to a

data format requested by the request data when the request data is stored in the data storing unit (paragraphs 84,145).

With respect to claim 6, Fuktmaga further teaches the data processing system according to claim 1, wherein the main terminal device is connected to a network and performs data communications therewith, the main terminal device further comprising: a data acquiring unit that receives commands from an external source outside the main terminal device and acquires external data inputted from the external source (paragraphs 81,84); and an external storage commanding unit that stores the external data acquired by the data acquiring unit in the data storing unit (paragraphs 81,84); wherein the request storage commanding unit stores the request data with the external data attached to the request data in the data storing unit after the external data is stored in the data storing unit, the implementation data being data converted from the external data and having a data format that is transferable to the network, the request data being data for requesting generation of the implementation data (paragraphs 84,127,145); and the function implementing unit implements data communications in the data format by transmitting the implementation data via the network when the implementation data is transmitted from the sub terminal device after issuance of the command by the request storage commanding unit (paragraph 84); and the data generating unit generates converted external data converted from the external data attached to the implementation data to the data format requested by the request data when the request data is stored in the data storing unit (paragraphs 84,127,145).

With respect to claim 7, Fukunaga further teaches the data processing system according to claim 6, wherein the main terminal device further comprises transmission specifying unit that prompts a user to specify external data to be transmitted via the network from among external data acquired by the data acquiring unit (paragraph 8 1), wherein the request storage commanding unit stores the request data in the data storing unit when the external data has been specified by the transmission specifying unit (paragraph 84).

With respect to claim 9, Fuktmaga further teaches the data processing system according to claim 6, wherein the data acquiring unit receives user operations and scans a prescribed image to acquire image data as the external data (paragraphs 264,730); and the request storage commanding unit stores the request data in the data storing unit when the external data is stored in the data storing unit (paragraphs 84,127).

With respect to claim 10, Fukunaga further teaches the data processing system according to claim 6, wherein the request data is data for requesting that the external data be converted to a compressed data format (paragraphs 265,730).

5. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1) and Fukunaga et al. (US 2004/0174561 A1) as applied to claim 6 and further in view of Tanaka et al. (US 2002/0082001 A1).

With respect to claim 8, Maniwa and Shimada and Fukunaga teaches the data processing system according to claim 6. Maniwa and Shimada and Fukunaga fails to specifically mention the main terminal device has a function for implementing a voice call based on voice signals inputted and outputted via the network; and the data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data.

In the same field of endeavor, Tanaka teaches a similar system wherein the main terminal device has a function for implementing a voice call based on voice signals inputted and outputted via the network (paragraphs 33,49,51); and the data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data (paragraphs 33,49).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a terminal device with a function for implementing a voice call based on voice signals inputted and outputted via the network', and a data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data, so as to have a more versatile terminal device as exemplified by Tanaka (paragraphs 33,49,51).

6. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1) as applied to claim 1 and further in view of Tanaka et al. (US 2002/0082001 A1).

With respect to claim 15, Maniwa and Shimada teaches the data processing system according to claim 1. Maniwa and Shimada fails to expressly disclose the mail terminal device is a peripheral device.

In the same field of endeavor, Tanaka teaches a similar system wherein the main terminal device is a peripheral device (paragraph 79).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a terminal device with a function for implementing a voice call based on voice signals inputted and outputted via the network', and a data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data, so as to have a more versatile terminal device as exemplified by Tanaka (paragraphs 33,49,51).

7. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1) as applied to claim 1 and further in view of Ogura et al. (US 2002/0165800 A1).

With respect to claim 16, Maniwa and Shimada teaches the data processing system according to claim 1. Maniwa and Shimada fail to expressly disclose the main terminal device is one of a telephone, a facsimile device, a printer and a scanner.

In the same field of endeavor, Ogura teaches a similar system wherein the main terminal device is a facsimile device (facsimile server, paragraph 13).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the content server disclosed by Maniwa and Shimada to

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be a facsimile device so the server is capable of receiving transmission information from a facsimile apparatus" as taught by Ogura (paragraph 13) thereby making the server more versatile.

8. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa (US 5,764,866) in view of Shimada (US 20020060798 A1) as applied to claim 1 and further in view of Chen et al. (US 20060010229 A1).

With respect to claim 17, Maniwa and Shimada teaches the data processing system according to claim 1. Maniwa and Shimada fail to expressly disclose the sub terminal device is a personal computer.

In the same field of endeavor, Chen teaches a similar system wherein the sub terminal device is a personal computer (paragraph 30).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a personal computer as the image server for the advantage of viewing the image on a monitor for further processing.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin Y. Lee whose telephone number is (571) 272-5258. The examiner can normally be reached on M - F 8:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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